

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for use in a computer system, operating in a peer-to-peer environment having a host peer and at least one non-host peer, and for ordering operation requests of the peers, the operation requests being one of a provided list of recognized operations which may be requested, comprising:

receiving, by the host peer, a first operation request from the provided list of recognized operations;

assigning, by the host peer, a first unique version number to the first operation request;

subsequently receiving, by the host peer, a second operation request from the provided list of recognized operations;

assigning, by the host peer, a second unique version number to the second operation request, the second unique version number indicating a later receipt time than the first unique version number, such that the host peer evaluates relative arrival times of the first operation request and the second operation request based on the first unique version number and the second unique version ~~number~~. number;

creating an operation order, the operation order being from the provided list of recognized operations and being associated with at least one of the first operation request and the second operation request;

assigning a third unique version number to the operation order; and

generating the first, second, and third unique version numbers from an indicator that increments version numbers.

2. (Currently Amended) The method of claim 1, further comprising processing, by the host peer, the first and second operation requests in the order of the ~~assigned version number~~ first unique version number and the second unique version number.

Claims 3-5 (Canceled)

6. (Currently Amended) A computer readable medium containing computer executable instructions for performing a method for use in a computer system, operating in a peer-to-peer environment having a host peer and at least one non-host peer, and for ordering operation requests of the peers, the operation requests being one of a provided list of recognized operations which may be requested, the method comprising:

receiving, by the host peer, a first operation request from the provided list of recognized operations;

assigning, by the host peer, a first unique version number to the first operation request;

subsequently receiving, by the host peer, a second operation request from the provided list of recognized operations;

assigning, by the host peer, a second unique version number to the second operation request, the second unique version number indicating a later receipt time than the first unique version number, such that the host peer evaluates relative arrival times of the first operation request and the second operation request based on the first unique version number and the second unique version ~~number-~~ number;

creating an operation order, the operation order being from the provided list of recognized operations and being associated with at least one of the first operation request and the second operation request;

assigning a third unique version number to the operation order; and

generating the first, second, and third unique version numbers from an indicator that increments version numbers.

7. (Currently Amended) A computer system having a processor, a memory, and an operating environment, the computer system operable to execute a method within a peer-to-peer environment having a host peer and at least one non-host peer for ordering operation requests of the peers, the operation requests being one of a provided list of recognized operations which may be requested, the executable method comprising:

receiving, by the host peer, a first operation request from the provided list of recognized operations;

assigning, by the host peer, a first unique version number to the first operation request;

subsequently receiving, by the host peer, a second operation request from the provided list of recognized operations;

assigning, by the host peer, a second unique version number to the second operation request, the second unique version number indicating a later receipt time than the first unique version number, such that the host peer evaluates relative arrival times of the first operation request and the second operation request based on the first unique version number and the second unique version ~~number~~ number;

creating an operation order, the operation order being from the provided list of recognized operations and being associated with at least one of the first operation request and the second operation request;

assigning a third unique version number to the operation order; and

generating the first, second, and third unique version numbers from an indicator that increments version numbers.

8. (Currently Amended) A method for use in a computer system, operating in a peer-to-peer environment having a host peer and at least one non-host peer, and for requesting operations of the host peer, the operations being one of a provided list of recognized operations which may be requested, comprising:

sending, by the at least one non-host peer, at least one operation request from the provided list of recognized operations to the host peer;

receiving, by the at least one non-host peer, an operation order and ~~an~~ a first assigned unique version number associated with the operation request;

determining whether the first assigned unique version number received is ~~the~~ next in a sequence of version numbers processed by the ~~receiving~~ at least one non-host peer, and if it is not, queuing the operation order until the first assigned unique version number is next in the sequence of version numbers processed by the ~~receiving~~ at least one non-host peer; and

processing, by the ~~receiving~~ at least one non-host peer, the operation order in the order of that the first assigned unique version number is in within the sequence of version numbers.

Claims 9-10 (Canceled)

11. (Currently Amended) A computer readable medium containing computer executable instructions for performing a method for use in a computer system, operating in a peer-to-peer environment having a host peer and at least one non-host peer, and for requesting operations of the host peer, the operations being one of a provided list of recognized operations which may be requested, the method comprising:

sending, by the at least one non-host peer, at least one operation request from the provided list of recognized operations to the host peer;

receiving, by the at least one non-host peer, an operation order and ~~an~~ a first assigned unique version number associated with the operation request;

determining whether the first assigned unique version number received is ~~the~~ next in a sequence of version numbers processed by the ~~receiving~~ at least one non-host peer, and if it is not, queuing the operation order until the first assigned unique version number is next in the sequence of version numbers processed by the ~~receiving~~ at least one non-host peer; and

processing, by the ~~receiving~~ at least one non-host peer, the operation order in the order of ~~that the~~ the first assigned unique version number is in within the sequence of version numbers.

12. (Currently Amended) A computer system having a processor, a memory, and an operating environment, the computer system operable to execute a method for use within a peer-to-peer environment having a host peer and at least one non-host peer, the method for requesting operations of the host peer, the operations being one of a provided list of recognized operations which may be requested, the executable method comprising:

sending, by the at least one non-host peer, at least one operation request from the provided list of recognized operations to the host peer;

receiving, by the at least one non-host peer, an operation order and ~~an~~ a first assigned unique version number associated with the operation request;

determining whether the first assigned unique version number received is ~~the~~ next in a sequence of version numbers processed by the ~~receiving~~ at least one non-host peer, and if it is not, queuing the operation order until the first assigned unique version number is next in the sequence of version numbers processed by the ~~receiving~~ at least one non-host peer; and

processing, by the ~~receiving~~ at least one non-host peer, the operation order in the order of that the first assigned unique version number is in within the sequence of version numbers.

Claims 13-18 (Canceled)

19. (Currently Amended) The method of claim 1, further comprising assigning, by the host peer, a ~~third~~ fourth unique version number to ~~each the at least one~~ non-host peer ~~in the peer-to-peer environment~~, the ~~third~~ fourth unique version number indicating when ~~each the at least one~~ non-host peer joined a session and is used to determine a subsequent host peer.

20. (Canceled)

21. (Currently Amended) The computer readable medium of claim 6, further comprising assigning, by the host peer, a ~~third~~ fourth unique version number to ~~each the at least one~~ non-host peer ~~in the peer-to-peer environment~~, the ~~third~~ fourth unique version number indicating when ~~each the at least one~~ non-host peer joined a session and is used to determine a subsequent host peer.

22. (Currently Amended) The computer system of claim 7, further comprising assigning, by the host peer, a ~~third~~ fourth unique version number to ~~each~~ the at least one non-host peer ~~in the peer-to-peer environment~~, the ~~third~~ fourth unique version number indicating when ~~each~~ the at least one non-host peer joined a session and is used to determine a subsequent host peer.

23. (Currently Amended) The method of claim 8, further comprising receiving, by the non-host peer, ~~another~~ a second assigned unique version number, the ~~another~~ second assigned unique version number indicating when the non-host peer joined a session and is used to determine a subsequent host peer.

24. (Canceled)

25. (Currently Amended) The computer readable medium of claim 11, further comprising receiving, by the non-host peer, ~~another~~ a second assigned unique version number, the ~~another~~ second assigned unique version number indicating when the non-host peer joined a session and is used to determine a subsequent host peer.

26. (Canceled)

27. (New) The method of claim 8, further comprising generating the first assigned unique version number from an indicator that increments version numbers for every operation request received from a non-host peer and for every operation order created.

28. (New) The computer readable medium of claim 11, further comprising generating the first assigned unique version number from an indicator that increments version numbers for every operation request received from a non-host peer and for every operation order created.

29. (New) The computer system of claim 12, further comprising generating the first assigned unique version number from an indicator that increments version numbers for every operation request received from a non-host peer and for every operation order created.
30. (New) The method of claim 1, further comprising incrementing the version numbers for every operation request received and for every operation order created.
31. (New) The computer readable medium of claim 6, further comprising incrementing the version numbers for every operation request received and for every operation order created.
32. (New) The computer system of claim 7, further comprising incrementing the version numbers for every operation request received and for every operation order created.